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on July 23, 2002

[Signature]

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Attorney for Applicant(s)

07/23/02
Date of
Signature

PATENT
UNUS #Y2-0136-UNI
Docket #F3247(C)



1633
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No: 000201

Applicant: Berry et al.

Serial No.: 09/737,297

Filed: December 15, 2000

For: PROCESSES AND ORGANISM FOR THE PRODUCTION OF ANTI-FREEZE
PROTEINS AND ANTI-FREEZE PROTEIN OBTAINED

Group: 1633
Edgewater, New Jersey 07020
July 23, 2002

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Documents relating to the above-identified application are submitted herewith. These documents are intended for the Examiner's information and for citation with the instant case. This submission does not constitute either a representation that a thorough search has been made or an admission that the documents cited herein are properly citable against the above-captioned patent application. An attached PTO Form 1449 lists all the documents.

International Search Report (PCT/EP 00/12396) - search completion date of 11/30/01

WO 97/02343 (Chapman et al.)

WO 98/04146 (Fenn et al.)

WO 98/04148 (Byass et al.)

WO 99/37782 (Jarman et al.)

XP-000676918 ("An Antifreeze Glycopeptide Gene From The Antarctic Cod *Notothenia Coriiceps Neglecta* Encodes A Polyprotein Of High Peptide Copy Number", Proc. Natl. Acad. Sci. USA, Vol. 87, pp. 9265-9269, December 1990)

XP-001012989 ("Low Temperature Growth, Freezing Survival, and Production Of Antifreeze Protein By The Plant Growth Promoting Rhizobacterium *Pseudomonas Putida* GR12-2", X. Sun, M. Griffith, J.J. Paternak and B.R. Glick, Can J. Microbiol., 41: 776-784, (1995))

XP-002174447 ("Marinomonas Protea Sp. Nov., A Novel Antarctic Bacterium Isolated From Ace Lake, Eastern Antarctica", Mills S.V., Stewart G.S.A.B., Laybourn-Parry J., Hill P.J., May 3, 1999) - abstract to Seq. ID No. 1

XP-002184397 ("Pseudomonas Libanienses 16S Ribosomal RNA Gene, Complete Sequence", Dabboussi et al., April 16, 1998) - abstract to Seq. ID No. 2

XP-002184398 ("Microbial Diversity In Sediments Collected From The Deepest Cold-Seep Area, The Japan Trench", Li et al., June 22, 1998) - abstract to Seq. ID No. 2

"Biomechanics-Materials. A Practical Approach", Ed. J.F.V. Vincent, Pub. IRL Press, Oxford University Press, Walton Street, Oxford, 1992

"Antifreeze Proteins and Their Potential Use In Frozen Foods", Biotechnology Advances, Vol. 13, No. 3, pp. 375-402

"Isolation And Characterization Of An Antifreeze Protein With Ice Nucleation Activity From The Plant Growth Promoting Rhizobacterium *Pseudomonas Putida* GR12-2", Can. J. Microbiol., 44: 64-73, (1998)

"Handbook of Plastics Test Methods", Ed. R.P. Brown, Pub. George Godwin Limited, The Builder Group, pps. 112-121, Pemberton Row, Fleet Street, London (1981)

No additional fee is required since this information is filed prior to the first Office Action on the merits. (37 CFR 1.97(b)(3)) Please charge any additional fee or credit overpayment to Deposit Account No. 12-1155. Triplicate copies of this letter are enclosed.

Respectfully submitted,



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FORM PTO-1449

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

ATTORNEY DOCKET NO.: F3247(C)

SERIAL NO.: 09/737,297

APPLICANT: Berry et al.

FILING DATE: December 15, 2000

GROUP: 1633

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME OF INVENTOR	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NO.	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES OR NO
	1	97/02343	✓ 1/23/97	WO		
	2	98/04146	✓ 2/5/98	WO		
	3	98/04148	✓ 2/5/98	WO		
	4	99/37782	✓ 7/29/99	WO		

OTHER DOCUMENTS

	5	✓	International Search Report (PCT/EP 00/12396) - search completion date of 11/30/01
	6	✓	XP-000676918 ("An Antifreeze Glycopeptide Gene From The Antarctic Cod <i>Notothenia Coriiceps Neglecta</i> Encodes A Polyprotein Of High Peptide Copy Number", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87, pp. 9265-9269, December 1990)
	7	✓	XP-001012989 ("Low Temperature Growth, Freezing Survival, and Production Of Antifreeze Protein By The Plant Growth Promoting Rhizobacterium <i>Pseudomonas Putida</i> GR12-2", X. Sun, M. Griffith, J.J. Paternak and B.R. Glick, <i>Can. J. Microbiol.</i> , 41: 776-784, (1995))
	8	✓	XP-002174447 ("Marinomonas Protea Sp. Nov., A Novel Antarctic Bacterium Isolated From Ace Lake, Eastern Antarctica", Mills S.V., Stewart G.S.A.B., Laybourn-Parry J., Hill P.J., May 3, 1999) - abstract to Seq. ID No. 1
	9	✓	XP-002184397 ("Pseudomonas Libanienses 16S Ribosomal RNA Gene, Complete Sequence", Dabboussi et al., April 16, 1998) - abstract to Seq. ID No. 2
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	11	✓	"Biomechanics-Materials. A Practical Approach", Ed. J.F.V. Vincent, Pub. IRL Press, Oxford University Press, Walton Street, Oxford, 1992
	12	✓	"Antifreeze Proteins and Their Potential Use In Frozen Foods", <i>Biotechnology Advances</i> , Vol. 13, No. 3, pp. 375-402
	13	✓	"Isolation And Characterization Of An Antifreeze Protein With Ice Nucleation Activity From The Plant Growth Promoting Rhizobacterium <i>Pseudomonas Putida</i> GR12-2", <i>Can. J. Microbiol.</i> , 44: 64-73, (1998)
	14	✓	"Handbook of Plastics Test Methods", Ed. R.P. Brown, Pub. George Godwin Limited, The Builder Group, pps. 112-121, Pemberton Row, Fleet Street, London (1981)

EXAMINER

DATE CONSIDERED

EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.